INFORMATION	Attorney Docket	SHIM-018	
DISCLOSURE STATEMENT	First Named Inventor	YAMASAKI, SHINJI	
DISCLOSURE STATEMENT	Application Number	10/581,757	
	Confirmation No.	7036	
	Filing Date	March 2, 2007	
Address to:	Group Art Unit	1653	
Commissioner for Patents P.O. Box 1450	Examiner Name	To Be Assigned	
Alexandria, VA 22313-1450	DETECTION (L DISTENDING TOXINS AND OF CAMPYLOBACTER BACTERIAS AME AS A TARGET"	

Sir:

This is an Information Disclosure Statement submitted for the Examiner's consideration. A revised and markup Form PTO-SB/08A listing the references accompany this paper. Applicants would appreciate the Examiner's initialing and returning the form to indicate that the references have been reviewed and made of record.

Within the Information Disclosure Statements filed on May 15, 2007, applicants note certain typographical errors contained within the document. Those errors have been corrected on a revised Information Disclosure Statement. Also attached is a mark-up copy of the Information Disclosure Statement showing the corrections made. For the convenience of the Examiner, the errors are reiterated below as follows:

JP2154700

1990-03-26

1990-06-14

Moureau et al.

KUDOH, et al., Syouni Naika. (1997) 28(9):1219-22 29(9):1219-22

OKUDA et al., ... Infect Immun. (Feb. 1997) 65(2):2613-9 428-33

This Information Disclosure Statement is not intended as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one of the above references constitutes prior art to the present application within the meaning of 35 U.S.C.§102.

No fee is believed to be required for filing this Disclosure Statement. If, however, the PTO finds that for some reason a fee is due, our Deposit Account No. 50-0815, Order No. KEMP-004CON may be charged thereon.

Respectfully submitted,

BOZICEVIC, FIELD & FRANCIS LLP

Date:

BOZICEVIC, FIELD & FRANCIS LLP 1900 University Avenue, Suite 200 East Palo Alto, California 94303

Telephone: (650) 327-3400 Facsimile: (650) 327-3231

By:

Karl Bozicevic

Registration No. 28,807

PTO/SB/08a (08-03)
Approved L. se through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Application Number	10581757	
	Filing Date	2007-03-02	
INFORMATION DISCLOSURE	First Named Inventor YAM	IASAKI, SHINJI	
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		
(Not for submission under 37 GFK 1.99)	Examiner Name		
	Attorney Docket Number	SHIM-018	

					U.S.I	PATENTS	<u></u>		
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date		Name of Patentee or Applicant of cited Document		Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	
	1	5447848		1995-09	1995-09-05 Barns et al. U		US equivalent of JP 62-228096		
	2	5691138		1997-11	7-11-25 Guesdon et al.		i.	US equivalent of JP 7-505535	
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Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²		Kind Code ⁴	Publication Date	Name of Patente Applicant of cited Document	I Where Relevani	
	1	WO9842842	wo			1998-10-01	Johnson et al.	international application related to JP 2001-524825	
	2	EP0350205B1	EP			1995-02-08	Barns et al.	European equivalent to JP 2-84200	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Will be to the	. 1	
Application Number		1058175
Filing Date		2007-03-02
First Named Inventor YAMA		ASAKI, SHINJI
Art Unit		
Examiner Name		
Attorney Docket Number		SHIM-018

3		JP62228096	JP		1987-10-06	Rashtchian A.	see U.S. Patent 5447848 above	×
4		JP284200	JP		1990-03-26	Barns et al.	see EP0350205 above	×
5		JP2154700	JP		1 990-03-26 1990-0	Moureau et al.		×
6		JP3112498	JP		1991-05-14	Ohashi et al.		X
7		JP5276999	JP		1993-10-26	Matsuoka et al.		×
8	And the second s	JP690795	JP		1994-04-05	Hayashi et al.		X
9		JP690796	JP		1994-04-05	Hayashi et al.		X
10	0	JP7505535	JP		1995-06-22	Guesdon et al.	see U.S. Patent 5691138 above	X
11	1	JP2000316590	JP		2000-11-21	McMillian et al.		X
12	2	JP2001524825	JP		2001-12-04	Johnson et al.	see WO9842842 above	X
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NON-PATENT LITERATURE DOCUMENTS

N	JARK-UP VE	RSI	ON		
	Application Number		1058175		
-	Filing Date		2007-03-02		
=	First Named Inventor YAMA		SAKI, SHINJI		
	Art Unit				

SHIM-018

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T 5					
	1	Gene Bank accession no. U51121						
	2	BLASER et al., "Campylobacter Enteritis: Clinical and Epidemiologic Features" Ann. Intern. Med. (Aug. 1979) 91 (2):179-85						
	CORTES-BRATTI et al., "The Haemophilus ducreyi Cytolethal Distending Toxin Induces Cell Cycle Arrest and Apoptosis via the DNA Damage Checkpoint Pathways" J. Biol. Chem. (Feb. 16, 2001) 276(7):5296-302							
	4	KOPECKO et al., "Campylobacter jejuni-microtubule-dependent invasion" Trends Microbiol. (Aug. 2001) 9(8):389-96						
	5 KUDOH et al., Syouni naika. (1997) 28(9) :1219-22 29(9)							
	LARA-TEJERO et al., "A Bacterial Toxin That Controls Cell Cycle Progression as a Deoxyribonuclease I-Like Protein" Science (October 13, 2000) 290(5490):354-7							
LARA-TEJERO et al., "Cytolethal distending toxin: limited damage as a strategy to modulate cellular functions" Trends Microbiol., (March 2002) 10(3):147-52								
If you wish to add additional non-patent literature document citation information please click the Add button								
EXAMINER SIGNATURE								
Examiner Signature Date Considered								
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								
Standard ST 4 Kind of doo	Γ.3). ³ F cument l	f USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIFF or Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark is attached.	ıment.					

Examiner Name

Attorney Docket Number

	MARK-UP VE	EKS	10N	
	Application Number		1058175	
	Filing Date		2007-03-02	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	First Named Inventor YAMA		ASAKI, SHINJI	
	Art Unit		·	
	Examiner Name			
	Attorney Docket Numb	er	SHIM-018	

		CERTIFICATIO	ON STATEMENT	
Plea	ase see 37 CFR 1	1.97 and 1.98 to make the appropriate sele	ction(s):	
	from a foreign p	of information contained in the informatio patent office in a counterpart foreign appl losure statement. See 37 CFR 1.97(e)(1).	n disclosure statement was ication not more than three	s first cited in any communication e months prior to the filing of the
OR				
	foreign patent of after making real any individual d	f information contained in the information office in a counterpart foreign application, asonable inquiry, no item of information codesignated in 37 CFR 1.56(c) more than 37 CFR 1.97(e)(2).	and, to the knowledge of the name of the transfer of the name of the information d	ne person signing the certification isclosure statement was known to
	See attached ce	ertification statement.		
	Fee set forth in	37 CFR 1.17 (p) has been submitted herew	vith.	
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	ignature of the ap n of the signature	oplicant or representative is required in acc	ATURE ordance with CFR 1.33, 10.	18. Please see CFR 1.4(d) for the
Sigr	nature	/Karl Bozicevic/	Date (YYYY-MM-DD)	2007-05-15
Nan	ne/Print	Karl Bozicevic	Registration Number	28,807
publication 1.14 application required Pater FEE	lic which is to file I. This collection Iication form to th uire to complete tl ent and Tradema	ormation is required by 37 CFR 1.97 and 1.97 (and by the USPTO to process) an application is estimated to take 1 hour to complete, including upon the USPTO. Time will vary depending upon his form and/or suggestions for reducing the thick office, U.S. Department of Commerce, FED FORMS TO THIS ADDRESS. SEND	tion. Confidentiality is gove cluding gathering, preparing the individual case. Any co is burden, should be sent to P.O. Box 1450, Alexandria, \	rned by 35 U.S.C. 122 and 37 CFR and submitting the completed mments on the amount of time you the Chief Information Officer, U.S. /A 22313-1450. DO NOT SEND

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

- 1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.
- A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
- 3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- 5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
 - 9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

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			,	Applic	cation N	umber		10581757			
INFORMATION DISCLOSURE			Filing	Date			2007-03-02				
			First I	Vamed	Inventor	YAM	IASAKI, SHINJI	,			
		NT BY APPLICA		Art Ur	nit						
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(book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s),

publisher, city and/or country where published.

Examiner

Initials*

Cite

No

Application Number 1058175° Filing Date 2007-03-02 First Named Inventor YAMASAKI, SHINJI	MA	ARK-UP VERS	SIC	
RE		Application Number		105817 <i>5</i>
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N I Art Unit		Art Unit		

SHIM-018

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

	1	MIZUNO et al., "Characteristics of cytotoxin produced by Campylobacter jejuni strains" Microbios. (1994) 78 (317):215-28						
	2	OKUDA et al., "Examination of Diarrheagenicity of Cytolethal Distending Toxin: Suckling Mouse Response of the Products of the cdtABC Genes of Shigella dysenteriae" Infect Immun. (Feb. 1997) 65(2):2613-9-428-33						
	3	OYOFO et al., "Specific Detection of Campylobacter jejuni and Campylobacter coli by Using Polymerse Chain Reaction" J Clin Microbiol. (Oct. 1992) 30(10):2613-9						
	4	PICKETT et al., "The cytolethal distending toxin family" Trends Microbiol. (Jul. 1999) 7(7):292-7						
	5	ROMANIUK et al., "Campylobacter pylori, the Spiral Bacterium Associated with Human Gastritis, Is Not a True Campylobacter sp." J Bacteriol. (May 1987) 169(5):2137-41						
	6	SHANE et al., Diseases of Poultry, (2003) 615-30						
	7	SUZUKI et al., "Immunological properties and ganglioside recognitions by Campylobacter jejuni-enterotoxin and cholera toxin" FEMS Immunol Med Microbiol. (Mar 1994) 8(3):207-11						
	8	TAKAHASHI et al., Infectious Diseases Weekly Report Japan (2001) 3(6):10-2						
**************************************	9	TOTTEN et al., "Prevalence and Characterization of Hippurate-Negative Campylobacter jejuni in King County, Washington" J Clin Microbiol. (Sep 1987) 25(9):1747-52						
If you wish to add additional non-patent literature document citation information please click the Add button								
	EXAMINER SIGNATURE							
Examiner	Examiner Signature Date Considered							
		ial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a onformance and not considered. Include copy of this form with next communication to applicant.						

Examiner Name

Attorney Docket Number

Application Number 105817′

Filing Date 2007-03-02

First Named Inventor YAMASAKI, SHINJI

Art Unit

Examiner Name

SHIM-018

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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¹ See Kind Codes of USPTO Patent Documents at <u>www.USPTO.GOV</u> or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

Attorney Docket Number

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	Application Number		1058175 ⁻
	Filing Date		2007-03-02
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	First Named Inventor	YAMA	ASAKI, SHINJI
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		
(Not for subilission under 37 CFR 1.99)	Examiner Name		
	Attorney Docket Numb	er	SHIM-018

			CERTIFICATION	N STATEMENT		
Plea	ase see 37 CFR	1.97 and 1.98 to make the	e appropriate selecti	ion(s):		
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	Fee set forth in	37 CFR 1.17 (p) has bee	n submitted herewit	h.		
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PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE	Application Number		10581757
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	First Named Inventor YAMA		ASAKI, SHINJI
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		
(Not for submission under 37 GFK 1.99)	Examiner Name		
	Attorney Docket Number		SHIM-018

					U.S.F	PATENTS				
Examiner Initial*	Cite No	Patent Number	Kind Issue Date Name of Patentee or Applicant		Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear		ant			
	1	5447848		1995-09	-05	Barns et al.		US equ	uivalent of JP 62-228096	
	2	5691138		1997-11	-25	Guesdon et al.		Guesdon et al. US equivale		
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Examiner Initial*	Cite No	Foreign Document Number ³	Countr Code ²		Kind Code ⁴	Publication Date	Name of Patente Applicant of cited Document		Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T5
	1	WO9842842	wo			1998-10-01	Johnson et al.		international application related to JP 2001-524825	
	2	EP0350205B1	EP			1995-02-08	Barns et al.		European equivalent to JP 2-84200	

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3	JP62228096	JP	1987-10-06	Rashtchian A.	see U.S. Patent 5447848 above	X
4	JP284200	JP	1990-03-26	Barns et al.	see EP0350205 above	X
5	JP2154700	JP	1990-06-14	Moureau et al.		X
6	JP3112498	JP	1991-05-14	Ohashi et al.		X
7	JP5276999	JP	1993-10-26	Matsuoka et al.		×
8	JP690795	JP	1994-04-05	Hayashi et al.		X
9	JP690796	JP	1994-04-05	Hayashi et al.		×
10	JP7505535	JP	1995-06-22	Guesdon et al.	see U.S. Patent 5691138 above	×
11	JP2000316590	JP	2000-11-21	McMillian et al.		×
12	JP2001524825	JP	2001-12-04	Johnson et al.	see WO9842842 above	×

NON-PATENT LITERATURE DOCUMENTS

(Not for submission under 37 CFR 1.99)

Application Number		10581757				
Filing Date		2007-03-02				
First Named Inventor YAMA		SAKI, SHINJI				
Art Unit						
Examiner Name						
Attorney Docket Number		SHIM-018				

Examiner Initials*	Cite No	(book	nclude name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), bublisher, city and/or country where published.								
	1	Gene	Bank accession no. U51121								
	2	BLAS (2):17	ER et al., "Campylobacter Enteritis: Clinical and Epidemiologic Features" Ann. Intern. Me 9-85	ed. (Aug. 1979) 91							
	3	CORTES-BRATTI et al., "The Haemophilus ducreyi Cytolethal Distending Toxin Induces Cell Cycle Arrest and Apoptosis via the DNA Damage Checkpoint Pathways" J. Biol. Chem. (Feb. 16, 2001) 276(7):5296-302									
	4 KOPECKO et al., "Campylobacter jejuni-microtubule-dependent invasion" Trends Microbiol. (Aug. 2001) 9(8):389-										
	5	KUDO	DH et al., Syouni naika. (1997) 29(9):1219-22		X						
	6	LARA Scien	-TEJERO et al., "A Bacterial Toxin That Controls Cell Cycle Progression as a Deoxyriborce (October 13, 2000) 290(5490):354-7	nuclease I-Like Protein"							
	7	LARA	n-TEJERO et al., "Cytolethal distending toxin: limited damage as a strategy to modulate of biol., (March 2002) 10(3):147-52	cellular functions" Trends							
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Attorney Docket Number		SHIM-018				

		CERTIFICATION	STATEMENT							
Plea	Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):									
	That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).									
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	See attached cer	tification statement.								
	Fee set forth in 3	7 CFR 1.17 (p) has been submitted herewith	٦.							
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	signature of the ap n of the signature.	plicant or representative is required in accor		8. Please see CFR 1.4(d) for the						
Sig	nature	/Karl Bozicevic/	Date (YYYY-MM-DD)	2007-06-26						
Nar	me/Print	Karl Bozicevic	Registration Number	28,807						

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- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
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	Application Number		10581757
INFORMATION DISCLOSURE	Filing Date		2007-03-02
	First Named Inventor YAMA		ASAKI, SHINJI
STATEMENT BY APPLICANT	Art Unit		
(Not for submission under 37 CFR 1.99)	Examiner Name		
	Attorney Docket Numb	er	SHIM-018

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	1	MIZUNO et al., "Characteri 317):215-28	istics of cytotoxin produced by Campylobacter jejuni strains" Microbios. (1994) 78					
	2	OKUDA et al., "Examinatio Products of the cdtABC Ge	JDA et al., "Examination of Diarrheagenicity of Cytolethal Distending Toxin: Suckling Mouse Response of the ducts of the cdtABC Genes of Shigella dysenteriae" Infect Immun. (Feb. 1997) 65(2):428-33					
	3	OYOFO et al., "Specific De Reaction" J Clin Microbiol.	etection of Campylobacter jejuni and Campylobacter coli by Using Polymerse Chain (Oct. 1992) 30(10):2613-9					
	4	PICKETT et al., "The cytol	CKETT et al., "The cytolethal distending toxin family" Trends Microbiol. (Jul. 1999) 7(7):292-7					
	5	ROMANIUK et al., "Campy Campylobacter sp." J Bact	MANIUK et al., "Campylobacter pylori, the Spiral Bacterium Associated with Human Gastritis, Is Not a True apylobacter sp." J Bacteriol. (May 1987) 169(5):2137-41					
	6	SHANE et al., Diseases of	NE et al., Diseases of Poultry, (2003) 615-30					
	SUZUKI et al., "Immunological properties and ganglioside recognitions by Campylobacter jejuni-enterotoxin and cholera toxin" FEMS Immunol Med Microbiol. (Mar 1994) 8(3):207-11							
	8 TAKAHASHI et al., Infectious Diseases Weekly Report Japan (2001) 3(6):10-2							
	9	TOTTEN et al., "Prevalend Washington" J Clin Microb	ce and Characterization of Hippurate-Negative Campylobacter jejuni in King County, piol. (Sep 1987) 25(9):1747-52					
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	10581757
	2007-03-02
YAMA	ASAKI, SHINJI
er	SHIM-018
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	Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.						
×							
SIGNATURE A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.							
Signature		/Karl Bozicevic/	Date (YYYY-MM-DD)	2007-06-26			
Name/Print		Karl Bozicevic	Registration Number	28,807			
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